

# EARTH SCIENCE EDUCATION (ESSE) w/ ENVIRONMENTAL SYSTEMS SCIENCE

## Graduate Certificate in Teaching Secondary Content with option to earn an M.A. in Education, Curriculum & Instruction Wyoming Teacher Education Program

Effective: Fall 2015  
Updated: Fall 2017

Name: \_\_\_\_\_  
W# \_\_\_\_\_ Matric. Date \_\_\_\_\_

Evaluated by: \_\_\_\_\_  
Date: \_\_\_\_\_

### Previous Academic Work

Degree(s):  B.A.  B.S.  M.A.  M.S. Other \_\_\_\_\_

Institution(s): \_\_\_\_\_  
\_\_\_\_\_

Subject(s): \_\_\_\_\_  
\_\_\_\_\_

Date(s) Earned: \_\_\_\_\_

GPA (minimum req. graduating GPA is 2.75): \_\_\_\_\_

#### PROFESSIONAL EDUCATION REQUIREMENTS:

All Professional Ed courses must be completed with a grade of C or better. Please note that grades of C- or lower will not satisfy this requirement.

Education course work completed more than 10 years ago from any institution will not be accepted toward this program.

#### Phase Prerequisites

\_\_\_\_\_ Sem/Yr. \_\_\_\_\_  
\_\_\_\_\_ Sem/Yr. \_\_\_\_\_

- 2.75 minimum UW Total Institution GPA
- Current Wyoming Substitute Teaching Permit
- 2.5 minimum major content GPA (see page 2)

Date Accepted \_\_\_\_\_

#### Summer Semester

\_\_\_\_\_ Sem/Yr. \_\_\_\_\_  
\_\_\_\_\_ Sem/Yr. \_\_\_\_\_  
\_\_\_\_\_ Sem/Yr. \_\_\_\_\_

#### Fall Semester

\_\_\_\_\_ Sem/Yr. \_\_\_\_\_  
\_\_\_\_\_ Sem/Yr. \_\_\_\_\_  
\_\_\_\_\_ Sem/Yr. \_\_\_\_\_  
\_\_\_\_\_ Sem/Yr. \_\_\_\_\_

#### Spring Semester

\_\_\_\_\_ Sem/Yr. \_\_\_\_\_  
\_\_\_\_\_ Sem/Yr. \_\_\_\_\_

Total graduate hours earned toward M.A. in C&I: 12

All Professional Education & Major Content Courses must be completed with grade C or better. Please note that grades of C- or lower will not satisfy this requirement.

Minimum 2.50 content GPA required.

Minimum 2.75 UW Total Institution GPA must be maintained throughout the entire teacher certification program.

All content course work must be completed prior to spring semester.

Admission to the Graduate Certificate in Teaching Secondary Content with an option to earn a Master of Arts in Curriculum and Instruction is by application. Admission is not guaranteed.

Student must apply through UW Admissions for the Graduate Certificate in Teaching Secondary Content, and be accepted prior to the first day of summer courses.

Secondary Education Code: CERT TSC  
Elementary Education Code: CERT TES

The student's status will be as a Graduate Certificate student and graduate tuition will be charged for all course credits beginning with acceptance in the program.

Graduate Certificate in Teaching Secondary Content students who choose to pursue the Master of Arts in C&I must apply directly to the UW C&I graduate program. Application instructions and deadlines can be found on the UW C&I website.

**Admission to graduate study is not guaranteed.**

Master's candidates have six calendar years to complete their degrees from the beginning of the first course taken and listed on the Program of Study.

# ENVIRONMENTAL SYSTEM SCIENCE MAJOR CONTENT

Minimum 2.5 GPA required in major content. All major content courses must be completed with a grade of C or higher .  
Please note that grades of C- or lower will not satisfy this requirement.

## Foundations

	Sem/Yr. _____
ESS 1000 Wyoming in the Earth System (3) or approved equivalent.	
	Sem/Yr. _____
ENR 1200: Environment (4) LIFE 1010: General Biology (4)	
	Sem/Yr. _____
ENR/GEOL 1500: Water Dirt & Climate (4) GEOG 1010: Physical Geography (4) GEOL 1100: Physical Geology (4)	

### Foundation of Physical Sciences

	Sem/Yr. _____
	Sem/Yr. _____
	Sem/Yr. _____
	Sem/Yr. _____

## Spheres

	Sem/Yr. _____
ANTH/ENR 4310: Environmental Anthropology (3) ENR/GEOG 4040: Conservation of Natural Resources (3)	
	Sem/Yr. _____
ATSC 2100: Global Warming, Sci of Humankinds Energy Consump (3) GEOG 3450: Weather & Climate (3) GEOL 3500: Global Change: A Geological Perspective (4)	
	Sem/Yr. _____
LIFE 2022: Animal Biology (4) LIFE 2023: Plant & Fungal Biology (4) LIFE 3400: General Ecology (3) MICR/MOLB 2021: General Microbiology (4) GEOG 4460: Biogeography (3)	

### Lithosphere- 2 courses

	Sem/Yr. _____
GEOG 3480: Environmental Change (3) GEOL 3500: Global Change: A Geological Perspective (4)	
	Sem/Yr. _____
GEOL 2150: Geomorphology (4) GEOG 3010: Geomorphology of Earth's Dynamic Landscapes (3) REWM/ENR 4285: Wildland Hydrology (3) GEOG 4450: Fluvial Geomorphology (3)	

## Skills & Tools

	Sem/Yr. _____
	Sem/Yr. _____
ENR/GEOL 4525: Environmental Data Analysis (4) <i>spring only</i> ENR 4500: Risk Analysis (3)	
	Sem/Yr. _____
GEOG 2150: Foundations of GIS & Technology (4) BOT/GEOL 3150: Survey of Remote Sensing Applications (3) BOT/GEOL 4111: Remote Sensing of the Environment (4) GEOG 4200: Introduction to GIS (4)	
	Sem/Yr. _____

The Internship requirement is met through successful completion of Residency in Teaching.

**Science Endorsement Options:**

Biology
  Physics
 Chemistry

**Praxis Subject Exam Option:**  
#5571 - Earth & Space Sciences Content Knowledge  
Qualifying Score: 150  
*as of 12/2017*

**Petitions & Notes** (USP, UW Exception Requests, College of Education Exception Requests)